

18.1260

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AUTHORS:

Semenchenko, V.K. and Dogadkina, N.P.

S/126/60/009/02/017/033  
E032/E314

TITLE:

The Properties of Ternary Metallic Systems I. Micro-hardness of the Ternary Alloys <sup>1</sup>Sn-Na<sup>2</sup>Al

PERIODICAL:

Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 2, pp 265 - 269 (USSR)

ABSTRACT:

The instrument used to prepare Sn-Na alloys is shown in Figure 1. In this figure 1 is the furnace, 2 is a suspended piece of filtered tin and 3 is an ampoule containing sodium. The whole apparatus was attached to a vacuum system and after a four-hour baking at 100 to 150 °C, the sodium-containing ampoule was drawn upwards with the aid of the magnet 4 and then released so that it fell down onto the piece of tin and the glass was broken. The tin was then melted down and the remains of the ampoule served as a stirrer. The combination was heated up to 450-550 °C and the system was sealed off from the vacuum chamber. The alloy was then stirred several times and transferred into the ampoule 5. In this way, Sn-Na alloys with 1.0 and 1.39% Na were prepared.

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EO32/E314

The Properties of Ternary Metallic Systems  
the Ternary Alloys Sn-Na-Al

1. Microhardness of

Sn-Al alloys were prepared by simple melting in the required proportions. Figure 2 shows the system used to obtain Sn-Na-Al alloys. The apparatus consisted of a thermostat partly filled with sand and containing two identical ampoules consisting of two parts separated by the capillary a. The ampoules were connected to a vacuum chamber and were baked for about 4 hours at a pressure of  $5 \times 10^{-5}$  mm Hg. The substances making up the final alloy were at b (Figure 2). The ampoules were then sealed off from the vacuum system and the thermostat was filled up with hot sand (200 to 300 °C) and covered with a lid which carried a heater. The temperature was raised to 400 °C and the alloy was agitated. The thermostat was then turned upside down and the alloy was filtered into the second part of the ampoule through the capillary. The thermostat was cooled in the latter position over 9 to 10 hours. In this way alloys of various composition were prepared. ✓

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EO32/E314

The Properties of Ternary Metallic Systems 1. Microhardness of the Ternary Alloys Sn-Na-Al

The microhardness was measured with the PMT-3 microhardness tester. The results obtained are summarised in Table 2 and Figures 3 to 5. Figure 3 shows the dependence of the microhardness of Sn-Na-Al on the concentration of Na for various concentrations of Al as indicated. Figure 4 shows the dependence of the microhardness of Sn-Na-Al on the concentration of aluminium for various concentrations of Na as indicated. Figure 5 shows the microhardness of Sn-Na-Al as a function of the concentration of aluminium for different concentrations of Na, the numeration of the curves being the same as in Figure 4. It is found that it is possible to prepare an alloy with a given concentration of the inactive component (Al) whose microhardness should remain constant when the concentration of the surface-active component (Na) is altered. The addition of Na and Al to Sn-Na and Sn-Al alloys, respectively, tends to increase the microhardness as indicated in the above figures.



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The Properties of Ternary Metallic Systems  
the Ternary Alloys Sn-Na-Al

S/126/60/009/02/017/033  
EO32/E314  
1. Microhardness of

There are 5 figures, 2 tables and 3 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im.  
M.V. Lomonosova (Moscow State University imeni  
M.V. Lomonosov)

SUBMITTED: October 23, 1958

4

Card 4/4

BUKIN, I.V., aspirant; DOGADOV, A.A.

Determining the time of the circulation of drilling fluid in core  
hole drilling. Izv. vys. ucheb. zav.; geol. i razv. 7 no.5:126-133  
ity '64. (MIRA 18:3)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.

L 64330-45

ACCESSION NO

REF ID: A64330-45

Author: Active member: Kul'gachev, A. S. (Active member)

TITLE: Evaluation of time-scale distortions introduced by a tape transport mechanism during signal storage

SOURCE: Radiotekhnika, v. 20, no. 8, 1965, 58-64

TOPIC TAGS: tape recorder, signal distortion, data storage, computer storage

ABSTRACT: Time-scale distortions caused by the tape transport mechanism during the storage of signals are analyzed. It is shown that in non-audio applications the time scale must be preserved with a high degree of accuracy. On the basis of the wobble factor, a model is proposed to describe the transport mechanism. To simplify the analysis, it is assumed that wobble occurs periodically with a constant frequency and that the average velocity of the transport mechanism is constant. Under these assumptions in mind it is shown that the distortions of the time scale introduced by the tape transport mechanism are proportional to the wobble factor and inversely proportional to its frequency; that the distortion is...

Card 1/2

L 64330-65

ACCESSION NR: AP5020763

duced by the tape transport mechanism do not depend on the absolute value of the mean velocity of the tape transfer mechanism if this velocity is constant. The wow is produced by the eccentricity of the rotating member that can be decreased by increasing the diameter of the component or by decreasing the eccentricity. In the case of forced synchronization the time distortion depends on the ratio of the wow frequency to the synchronization frequency. In the case of forced synchronization, time scale distortions can be minimized by eliminating the high frequency component of wow and increasing the synchronization frequency as much as possible. "In conclusion the author expresses his gratitude to V. A. Goron for several valuable comments." Orig. art. has: 21 equations, 1 figure.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektroniki (Scientific and Technical Society of Radio Engineering and Telecommunications)

SUBMITTED: 23 May 64

ENCLOSURE

OTHER: 002

Card 2/2

DOGADOVA, M.

Master vysokikh skorostei: (V. M. Biriukov. Leningrad) Leningradskoe gazetno-zhurnal'noe i knizhnoe izd-vo, 1950. 78 p. port. (Novatory proizvodstva v bor'be za tekhnicheskii progress)

The expert in high-speed operations: V. M. Biriukov, Leningrad.

DLC: TJ1230.D58

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



DOGAK, N.S.

ZOREV, N.N., doktor tekhn.nauk; TASHLITSKIY, N.I., kand.tekhn.nauk;  
KUCHMA, L.K., kand.tekhn.nauk; VERSHINSKAYA, A.D., inzh.;  
OVUMYAN, G.G., inzh.; ISAYEV, A.I., doktor tekhn.nauk; KIRILLOVA,  
O.M., kand.tekhn.nauk; KATSHEL'SON, V.Yu., inzh.; LAPIN, N.A.,  
kand.tekhn.nauk; FEDOROV, N.M., inzh.; CHERNYI, A.P., inzh.;  
MOROZOV, N.A., inzh.; ~~DOGAK, N.S.~~; ANDREYEV, G.S., kand.tekhn.nauk;  
MIKHAYLENOK, Ye.I., kand.tekhn.nauk; MAKAREVICH, B.K., kand.tekhn.  
nauk; YEREMIN, N.I., kand.tekhn.nauk; YERMOLOV, I.N., inzh.;  
UNKSOV, Ye.P., doktor tekhn.nauk, prof., red.; SOBOLEVA, G.N.,  
red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Engineering problems in the manufacture of heavy machinery]  
Nekotorye voprosy tekhnologii tiazhelogo mashinostroeniia. Moskva,  
Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry. Pt. 2 [Metal  
cutting and quality control of parts] Obrabotka metallov rezaniem  
in kontrol' kachestva detalei. 1960. 173 p. (Moscow. Tsentral'nyi  
nauchno-issledovatel'skii institut tekhnologii i mashinostroeniia.  
[Trudy], vol.99). (MIRA 13:8)

(Machinery industry)  
(Metal cutting)  
(Quality control)

DIAROV, M.; DOGALOV, A.B.

Secondary variations in halogen rocks under the conditions of  
salt dome structures. Izv. AN Kazakh. SSR. Ser. geol. no.1:86-  
88 '61. (MIRA 14:6)

(Haloidite)

DOGAN, S.

DOGAN, S.; BERITIC, T. "Occupational manganese poisoning from the clinical viewpoint and from the viewpoint of industrial hygiene." p. 139. (Arhiv Za Higijenu Rada. Vol. 4, no. 2, 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, Feb. 1954, Uncl.

DOGAN, Sergije, doc. dr.

Cerebral apoplexy. Med. glasnik. 8 no.11-12:419-425 Nov-Dec 54.

1. Klinika za zivcane i dusevne bolesti Medicinskog fakulteta u  
Zagrebu (predstojnik prof. dr. Lopasic)  
(CEREBRAL HEMORRHAGE)

DOGAN, S.; VUKADINOVIC, D.; LONGHINO, A.

Effect of largactil and phenergan on electroencephalography in epilepsy. Neuropsihijatrija 2 no.1-2:88-100 1954.

1. Neuropsihijatrijska klinika Medicinskog fakulteta (predstojnik prof. Dr. R. Lopasic) Institut za medicinska istrazivanja Jugoslavenske Akademije (direktor prof. dr. B.Kesic). kirurska klinika Medicinskog fakulteta (predstojnik prof. dr.D. Juzbasic Zagreb)

(EPILEPSY, physiology,

eff. of chlorpromazine & promethazine on EEG)

(ELECTROENCEPHALOGRAPHY, in various diseases,

epilepsy, eff. of chlorpromazine & promethazine)

(CHLOROPROMAZINE, effects,

on epilepsy, EEG changes)

(ANTIHISTAMINICS, effects,

promethazine, on epilepsy, EEG changes)

DOGAN, S.; KELER, M.; PERSIC, N.

Copper in blood in schizophrenia; a problem of pathophysiology of schizophrenia. Acta med.iugosl. 9 no.1:60-70 1955.

1. Neurolosko-psihijatrijska klinika i Interna klinika Medicinskog fakulteta u Zagrebu.

(COPPER, in blood

in schizophrenia, determ.results(Ser))

(BLOOD,

copper in schizophrenia, determ. & results(Ser))

(SCHIZOPHRENIA, blood in

copper determ. & results (Ser))

DOGAN, S.

Symptoms of lesions of the extrapyramidal motor system caused by intracranial tumors. Neuropsihiatrija 3 no.1:25-37 1955.

1. Iz Neurolosko-psihijatrijske klinike Medicinskog fakulteta u Zagrebu (Predstojnik: prof. dr R. Lopasic)

(EXTRAPYRAMIDAL TRACTS, dis.

lesions caused by brain tumors (Ser))

(BRAIN, neoplasms

causing extrapyramidal tract disord.(Ser))

LJUSTINA-IVANCIC, N.; DOGAN, S.

Effect of various drugs on pressure in the central retinal artery in migraine and epilepsy. *Neuropsihijatrija* 3 no.3-4: 244-253 1955.

1. Iz klinike za ocne bolest. (Pred: Prof. dr. Z. Pavisic).  
Dept. of Ophthalmology and the Dept. of Neurology and Psychiatry,  
University of Zagreb, (Pred: Prof. dr. R. Lopasic).  
(MIGRAINE, therapy,  
chemother., eff. on retinal arterial pressure. (Ser))  
(EPILEPSY, therapy,  
chemother., eff. of antiepileptic drugs on retinal  
arterial pressure. (Ser))  
(RETINA, blood supply,  
arterial pressure in chemother. of epilepsy & migraine.  
(Ser))

DOGAN, S.; KOZIC, M.

~~Neurologija~~  
Tumor of cerebellum. Neuropsihijatrija 3 no.3-4:269-270  
1955.

1. Iz Neurolosko-psihijatrijske klinike i Neurokirurskog  
odjela, Kirurske klinike Med. fakulteta u Zagrebu.  
(CEREBELLUM, neoplasms,  
diag. & surg. (Ser))

DOGAN, S.

~~Problem of physiopathology of the migraine. Neuropsihijatrija~~  
3 no.3-4:288-294 1955.

1. Iz Neurolosko-psihijatrijske klinike Med. fakulteta u Zagrebu.  
(MIGRAINE, manifest.  
brain, physiopathol. (Ser))  
(BRAIN, in various dis.  
migraine, physiopathol. (Ser))  
(MIGRAINE, physiology,  
physiopathol. (Ser))

DOGAN, S.

Effect of vitamin B12 on electroencephalogram in epilepsy;  
case report. Neuropsihijatrija 4 no.1:42-49 1956.

1. Klinika za zivcane i dusevne bolesti Medicinskog fakulteta  
u Zagrebu (Predstojnik prof. dr. R. Lopasic).

(VITAMIN B 12, eff.

on EEG in epilepsy in child. (Ser))

(EPILEPSY, diag.

EEG, eff. of vitamin B12 in child. (Ser))

GVOZDANOVIC, Vladimir; DOGAN, Sergije

Role of the angle of the clivus-odontoid process in clinical manifestations of basilar impression. Rad. med. fak. Zagreb 8 no.2:157-172 '60.

(OCCIPITAL BONE abnorm)

JUSIC, A.; HAMEL-PUSKARIC, N.; DOGAN, S.

EEG in acute vascular disorders of the brain. Neurepsihijatrija 9  
no.1:12-18 '61.

1. Iz Neurolosko-psihijatrijske klinike Med. fakulteta u Zagrebu  
(Predstojnik: Prof. dr. R. ~~L~~epasic).

(BRAIN blood supply)

HAMEL-PUSKARIC, N.; DOGAN, S.; IVACIC-BOHACEK, V.; JUSIC, A.; DUPELJ, M.

Our experiences with the treatment of acute vascular insultus of the brain. Neuropsihijatrija 9 no.1:44-53 '61.

1. Iz Neurolosko-psihijatrijske klinike Med. Fakulteta - Zagreb  
(Predstojnik: Prof. dr. R. Lopasic).

(BRAIN blood supply)

DOGAN, Sergije

2

YUGOSLAVIA

Dr Nikola PERSIC, Dr László KALLAI, Dr Milorad NEMICA, Dr Sergije DOGAN and Dr Aleksandar MALETIC, Neuro-psychiatric (Neurološko-psihijatrijska) and Internal Medicine (Interna) Clinic of Medical Faculty (klinika Medicinskog fakulteta), University of Zagreb.

"Laboratory and Clinical Examination of the Liver in Chronic Alcoholism and Alcohol Psychoses - Regarding the Pathogenesis of Delirium Tremens."

Zagreb, Liječnicki Vjesnik, Vol 84, No 11, 1962; pp 1113-1120.

Abstract [English summary modified]: Study in 167 chronic alcoholics, including 59 with delirium tremens by 8 clinical criteria and 8 types of liver function tests, and 6 other laboratory criteria; statistical analysis. Only aspect in which there seemed to be a significant difference between those with and without delirium tremens was sublimate test, but generally liver damage (59.4% fatty infiltration) was about equally frequent in all, as was lowering of albumin:globulin ratio. Six tables, 2 diagrams; 14 German, 7 other Western and 1 Yugoslav reference.

1/1

~~BOGANADZE, D.A.~~

Calculating the force of water hammer under complicated conditions  
taking into account the force of friction. Trudy GPI [Gruz.]  
no. 4:45-49 '63. (MIRA 17:5)

TSERETELI, B.Sh., doktor med. nauk; DOGANADZE, M.A., kand. med. nauk

Mikhail Vissarionovich Mosidze; 1892-1964, an obituary. Ortop.,  
travn. i protez. 25 no.8:82 Ag '64. (MIRA 18:4)

1. Direktor Tbilisskogo instituta travmatologii i ortopedii (for  
TSereteli).

DOGANOV, I.

Result of application of psychoprophylactic method in painless labor.  
Khirurgia, Sofia 6 no.8:475-483 1953. (GIML 25:5)

1. Second Maternity Home (Head Physician -- Iv. Doganov), Sofia.

DOGANOV, Iv.; KOLIN, D.

~~XXXXXXXXXXXXXXXXXXXX~~

Vaginal examination in labor. Khirurgiia, Sofia 8 no.3:277-281 1955.

1. P gradski rodilen dom-Sofia Glaven lekar: Iv. Doganov.  
(VAGINA, exam. in labor)  
(LABOR,  
vaginal exam. in)

DOGANOV, Iv.; STAMENOV, Iv.; TSANOV, Al.

Conduction of the third stage. Khirurgia, Sofia 8 no.7:593-598  
1955.

1. II Gradski rodilen dom, Sofia . Glaven lekar: Iv. Doganov.  
(LABOR,  
third stage, management)

DOGANOV, Iv.; CHIPEV, Kh.

On 7 cases of gynatresia. Akush. ginek. (Sofia) 3 no.1:63-68  
'64.

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DOGANOV, Iv.; PAUNOV, St.

Apropos of the diagnosis of prolonged pregnancy. Akush. ginek.  
(Sofia) 3 no.6:24-31 '64.

DOGANOV, I.

New kind of roof construction with precast reingoreed-concrete parts.  
p. 39. Bulgarska akademitia no naukite. Tekhnicheski institut.  
IZVESTILA. Sofiya. No. 3, 1955.

SOURCE: East European Accessions List. (EEAL) Library of Congress.  
Vol. 5, No. 8, August 1956.

DOGANOV, Il'ya A., inshener, laureat Dimitrovskoy premii, Sofiya (Bolgariya)

Erecting reinforced concrete shell roofs. Stroi.prom. 33 no.2:35-37  
F '55. (MIRA 8:4)

(Roofs) (Reinforced concrete construction)

DOGANOV, I.

~~TECHNOLOGY~~

Periodical: IZVESTIYA. No. 5/6, 1958.

DOGANOV, I. Contribution to perfecting and accelerating the building of shell constructions from reinforced concrete. p. 101.

Monthly List of East European Accession (EEAI), LC., Vol. 8, No. 2,  
February 1959, Unclass.

DOGANOV, Iv.

On a case of an exceptionally movable spleen. Akush. ginek.  
(Sofia) 4 no.2:156-158 '65.

1. Vtori gradski rodilen dom, Sofia (gl. lekar: dr. Iv.  
Doganov).

DOGANOV, Iv.; STAMENOV, Iv.

A case of isthmo-cervical pregnancy. Akush. ginek. (Sofia)  
4 no.2:158-160 '65.

1. Vtori gradski rodilen dom, Sofia (gl. lekar: dr. Iv.  
Doganov).

DCGANOV, N.

Shortcomings in utilizing mechanization in the coal industry. p.21.  
MINNO DELO. (Ministerstvo na tezhkata promishlenost) Sofia.  
Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

DOGANOV, N.

DOGANOV, N. Maintenance of motor repair parks. p. 13.

Vol. 5, No. 8, 1956.

TEZHKA PROMISHLENOST

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

DOGANOV, N.

"Some questions on mechanization and utilizing technological processes in heavy industry."

p.4 (Tezhka Promishlenost, Vol. 7, no. 3, Mar. 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

DOGADOV, V.M.

Some problems in the legal regulation of labor agreements. Uch.  
zap.LGU no.274:3-18 '59. (MIRA 13:5)  
(Labor laws and legislation) (Labor contract)

COUNTRY : BULGARIA H  
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Food Industry  
ABS. JOUR. : RZhKhim., No 19, 1959, No. 69533  
AUTHOR : Kolev, N.; Popov, I.; Doganova, L.  
INSTITUTE : -  
TITLE : Changes of Weight and of Chemical Composition of Garlic as a Function of Storage Conditions  
ORIG. PUB. : Izv. In-ta rasteniyevdstva. Bulg. AN, 1958, kn. 6, 57-67  
ABSTRACT : Samples of summer (SG) and of winter (WG) garlic, grown under identical conditions, were stored at 2°, 12-14°, and 26° under non-controlled conditions. It was established that SG has considerably better storageability than WG regardless of the storage temperature. The storageability of WG is improved at lower storage temperatures. At approx. 0° it approaches storageability characteristics of SG. A more marked and rapid reduction of WG is explained by a more extensive evaporation of water and by a higher activity of certain fermentation components (invertase, catalase, peroxidase) that is revealed by an accelerated "breathing" of the WG.

Card:

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DOGANOVA-KOLEVA, L.; POPOV, L.

Changes in the viscosity of some hydrophilic colloids under the influence of chemical substances and physical agents. p. 189.

Bulgariska akademija na naukite. Institut po biologija "Metodi Popov."  
IZVESTIJA, BULETIN. Sofia, Bulgaria, Vol. 9, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 12,  
December 1959  
Uncl.

GIL'SHTEYN, P.M.; STARODINSKIY, D.Z.; TSIMMERMAN, M.Z.;  
DOGANOVSKIY, M.G., kand. sel'khoz. nauk, retsenzent;  
BUD'KO, V.A., inzh., red.

[Tillage machines for special purposes; their design and calculation] Pochvoobrabatyvalushchie mashiny spetsial'nogo naznachenia; proektirovanie i raschet. Moskva, Izd-vo "Mashinostroenie," 1964. 139 p. (MIRA 17:11)

1. Vedushchiy konstruktor Spetsial'nogo konstruktorskogo byuro zavoda sel'skokhozyaystvennogo mashinostroyeniya im. Oktyabr'skoy revolyutsii (for Gil'shteyn, Starodinskiy, TSimmerman).

DOGALOVSKIY, M. G.

29731

Sravnityel'nyye ispytaniya konnykh plugov Pr. 28 i Pp-28, Syel'khoz mashina, 1949  
No. 9, S. 7-9

So: Letopis' No. 40

DOGANOVSKIY, M. G.

Mechanization of soil cultivation in a non-black earth zone. Moskva, Gos.  
izd-vo selkhoz lit-ry, 1951.



DOGANOVSKIY, M. G.

Kvadratno-gnesdovaya posedka kartofelya (The square hill system of planting potatoes,  
by) M. G. Doganovskiy (i) A. Ya. Kameraz. Leningrad, Lenizdat, 1953.  
25 p. illus., diags.

N/5  
725.42  
.D6

DOGANOVSKIY, M. G.

Mekhanizatsiia sel'skogo khoziaistva i ee perspektivy [Mechanization of agriculture and its prospects]. Leningrad, Vsesoiuz. ob-vo po raspr. polit. i nauch. znaniu, 1953. 30 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

DOGANOVSKIY, M

G

Sel'skokhozyaystvennyye mashiny i orudiya (Agricultural machines and tools, by) M. G. Doganovskiy i B. G. Volkov. Moskva, Sel'khozgiz, 1953. 335 p. illus., diagrs., tables.

N/5  
723.1  
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DOGANOVSKIY, MIKHAIL GRIGOR'YEVICH.

N/5  
723.1  
.D6  
1955

Sel'skokhozyaystvennyye mashiny i orudiya  
(Agricultural machines and tools, by)

M. G. Doganovskiy i B. G. Volkov.

2. perer. i dop. izd.

Moskva, Sel'khozgiz, 1955.

357 p. illus., diagrs., tables.

DOGANOVSKIY, M.G.

Flows for soils littered with stones. Biul.tekh.-ekon.  
inform. no.3:51-53 '60. (MIRA 13:6)  
(Flows)

DOGANOVSKIY, M.G.; BARDOVSKIY, A.B.; KOZLOVSKIY, Ye.V.

The DVSSh-16 fertilizer loader and spreader with a self-propelled chassis. Biul.tekh.-ekon.inform. no.9:72-74 '61. (MIRA 14:9)  
(Fertilizer spreaders)

DOGANOVSKIY, M.G., kand.sel'skokhozyaystvennykh nauk; MULLAYANOV, R.G., inzh.

Kinematic analysis of the roller mechanism of the PNK-3-35 plow.  
Mekh. i elek. sots. sel'khoz. 20 no.3:39-40 '62. (MIRA 15:7)

1. Severo-Zapadnoye otdeleniye Vserossiyskogo nauchno-issledovatel'skogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.

(Flows)

DOGANOVSKIY, M.G., doktor sel'skokhoz.nauk; DAVIDSON, Ye.I., kand.tekhn.nauk

Automatic protective mechanism for plows. Trakt. i sel'khozmasb.  
no.9:24-25 S '65. (MIRA 18:10)

1. Nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii  
sel'skogo khozyaystva Severo-Zapada.

DOGANOVSKIY, S. A., Cand Tech Sci (diss) -- "A computer for an automatic-control system of a continuous cold-rolling stand". Moscow, 1959. 11 pp (Acad Sci USSR, Inst of Automatics and Telemechanics), 150 copies (KL, No 9, 1960, 124)

9(6)

AUTHORS:

Doganovskiy, S. A., Engineer,  
~~Fitsner, L. N., Candidate of Technical Sciences~~

SOV/119-59-1-9/20

TITLE:

A Method of Computing the Electrical Scheme of Non-Linear Diode Transformers (O metodike rascheta elektricheskikh skhem diodnykh nelineynykh preobrazovateley)

PERIODICAL:

Priborostroyeniye, 1959, Nr 1, pp 15-18 (USSR)

ABSTRACT:

A device with an output voltage  $Y$  being a single value of a non-linear function  $f$  of the input voltage  $X$ , e.i.  $Y=f(X)$  is called an electric non-linear transformer. The method is described of computing the reproduction of a given function in a non-linear diode transformer by applying a stepwise linear approximation. The schemes of such transformers consist of a number of elementary cells which do just correspond to such a linear approximation piece. In order to be able to describe the function in its entire given domain the individual cells of this non-linear transformer are either connected with the input circuit or the feed back circuit of a direct current operational amplifier with a high amplification coefficient. A valve or also a semiconductor diode are used as detector. If a silicon diode is used it is advisable to use an additional

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A Method of Computing the Electrical Scheme  
of Non-Linear Diode Transformers

SOV/119-59-1-9/20

second diode. If a flat germanium diode serves as detector it is advisable to connect it as suggested. As far as the computation of the single cells is concerned the corresponding formulas are derived and it is proved by means of a numerical example that the mathematically found values do only differ by 1-2% from the values found experimentally. If no satisfactory accuracy is achieved the resistances computed for the single cells must be corrected experimentally. There are 4 figures and 7 Soviet references.

Card 2/2

DOGANOVSKIY, S.A.; FEL'DBAUM, A.A. (Moskva)

Using an electronic analog computer in investigating compensations for  
thickness variations of rolled strips. Avtom. i telem. 20 no.2:192-205  
F '59. (MIRA 12:3)

(Rolling (Metalwork))

DOGANOVSKIY, S. A.

"Automatic Correction of the Parameters of Compensating  
Devices for Objects with Changing Characteristics."

paper presented at the First International Congress of the International  
Federation on Automatic Control (IFAC), Moscow, 27 June - July 1960.

PHASE I BOOK EXPLOITATION

SOV/4992

Doganovskiy, Stanislav Anatol'yevich, and Vasilii Aleksandro-  
vich Ivanov

Bloki reguliruyemogo zapazdyvaniya (Adjustable Delay-Line Units) Moscow, Gosenergoizdat, 1960. 63 p. 12,000 copies printed. (Series: Biblioteka po avtomatike, vyp. 14)

Editorial Board: I. V. Antik, S. N. Veshenevskiy, V. S. Kulebakin, A. D. Smirnov, B. S. Sotskov, Ye. P. Stefani and N. N. Shumilovskiy; Ed.: A. B. Chelyustkin; Tech. Ed.: S. T. Shikin.

PURPOSE: This book is intended for technical personnel concerned with automation and with the development and operation of delay-line units.

COVERAGE: The book describes delay-line devices designed to obtain time delays in various systems of automatic control and automatic simulation. Construction methods, schematic diagrams, and applications of the devices are reviewed.

Card 1/3

Adjustable Delay-Line Units

SOV/4992

No personalities are mentioned. There are 15 references:  
9 Soviet (including one translation) and 6 English.

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AVAILABLE: Library of Congress (TJ213.D6)

Card 3/3

JP/dfk/ec  
4-21-61

DOGANDOVSKIY, S. A.

PLANS I SOCH KONTROLI IYU 50V/1103

Academy of Sciences, Institute of Automatic Control; collected from the collection of the Academy of Sciences (USSR) in January 1979. The collection covers a wide range of scientific and technical problems connected with automatic control. No personalities are mentioned. References accompany each report.

Author: K. I. Yezhov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: Ye. J. Orlov; Transl. Ed.: G. A. Astaf'eva.

PURPOSE: This collection of reports is intended for scientists and engineers engaged in the study of automation.

CONTENTS: The collection contains reports presented at the 6th Conference of Young Scientists and Technicians of the Academy of Sciences (USSR) in January 1979. The collection covers a wide range of scientific and technical problems connected with automatic control. No personalities are mentioned. References accompany each report.

Author: S. A. Dogandovskiy, Investigation of a System of an Electronic Control of a High-Speed Self-Adjusting Automatic Control System During the Rolling Process

Specialty conditions existing in the rolling industry and the imperfect structure of present rolling mills are the cause of considerable losses in metal for rolled products. The purpose of this report is to show how to increase the economy of rolling processes so as to obtain a reduction of the volume of metal and consequently to economize a considerable quantity of metal. The author concludes that a study of strip rolling features of a continuous mill would be most profitable. It is possible to build an electronic control system which would make the operation of self-adjusting strip mill more efficient. There are 13 references: 11 Soviet (including one translation), and 2 English.

Author: V. A. Investigation of Self-Adjusting Systems for Automatic Control of Electric Conditions in Electric Pipe-Welding Machines

This report discusses the following problems connected with a real example of welding control in electric pipe-welding machines: (1) circuit synthesis, choice of structure and calculation of basic characteristics for compensating computers which secure the necessary process of regulation in automatic control systems with given characteristics of objects and controllers; (2) circuit synthesis, choice of structure and calculation of basic characteristics of compensating computers which secure automatic self-adjustment of compensator parameters when object and controller characteristics vary. The author states that results of research carried out with an electric pipe-welding machine prove the validity of his theoretical considerations. There are 7 references, all Soviet.

Author: A. V. Operating Circuits of a Multichannel Automatic Operator

This report describes a multichannel operator built according to the principles proposed by A. I. Paliyev, which performs the automatic control of the elements of a function of many variables. Its basic operating circuits and elements, such as the input unit, channel steering elements, channel integrators, and electronic switches are reviewed. There are 5 references, all Soviet.

Author: V. S. Some Problems of Automatic Control Systems With a Delay

Agreed by Kibrik Differential Equations With a Time Lag, analysis of differential equations with a time lag, and description of methods of solving differential equations with a time lag. There are 15 references: 9 Soviet, 1 English, and 5 German. Card of 28

S/103/60/021/008/001/014  
R012/R063

AUTHOR: Doganovskiy, S. A. (Moscow)

TITLE: Automatic Optimization of the Mode of Operation of a Class of Systems According to Statistical Criteria of Quality

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 8, pp. 1105-1114 14

TEXT: The fundamental ideas of the present paper were explained on June 10, 1959 at the seminar IAT AN SSSR po teorii optimal'nykh, samonastroyayushchikhsya i vzaimosvyazannykh sistem avtomaticheskogo upravleniya (Seminar of IAT AS USSR on the Theory of Optimum, Automatically Adjusted and Coupled Automatic Control Systems). A certain averaged value  $x$  of the deviation of the controlled quantity from its rated value is taken as a criterion,  $\varphi$ , for the quality of the process. By optimization one understands the minimization of  $\varphi$ . Such a statistical evaluation of data on the state of the process is carried out by means of a computer of the type БФМБ(БФМВ) (Ref. 4). Between 1957 and 1959 the IAT AS USSR developed the control equipment for such an automatic control system of the type BYOPC

Card 1/3 ✓

Automatic Optimization of the Mode of Operation  
of a Class of Systems According to Statistical  
Criteria of Quality

S/103/60/021/008/001/014  
B012/B063

(VUORS). A photograph and the block diagram of this computer are shown in Fig. 1. Its characteristics are briefly described. Concerning the construction of similar automatic control systems, the author refers to the papers of Refs. 2 - 4. The present paper deals with an optimum mode of operation for a system that is subject to random disturbances. The investigation is restricted to the search for the optimum mode of operation of the system with the help of a variable of the object, without considering possible limitations of the variables of the system. The author studies the case in which there is a steady random disturbance  $F$  at the input and the system moves in a quasi-steady manner. The results obtained are then summed up. For this purpose the author estimates the error occurring in an apparatus schematically shown in Fig. 2. The equations of the system and the method of investigation are described. An oscillogram (Fig. 8) of the fluctuations of the thickness of rolled stock at the beginning of continuous cold-rolling illustrates this method (Ref. 8). Formulas (19) - (27) may be used to evaluate the statistical data of this oscillogram. One obtains the necessary time of averaging,  $T$ , of the integrating part of the BFMV computer. Formulas (29) - (31) are used to select the parameters of the VUORS

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Automatic Optimization of the Mode of Operation of a Class of Systems According to Statistical Criteria of Quality S/103/60/021/008/001/014  
BQ12/B063

system and to determine the necessary number of search operations for the development of a system of automatic control of the thickness of rolled stock (Ref. 4). It is noted that automatic optimization systems provided with computers for the control of the mode of operation are now and promising apparatus. The author thanks A. A. Fel'dbaum for his helpful advice, and Yu. P. Leonov for his discussion. There are 7 figures and 9 references: 8 Soviet and 1 US.

SUBMITTED: January 30, 1960

Vc.

Card 3/3

PHASE I BOOK EXPLOITATION

SOV/5652

Doganovskiy, Stanislav Anatol'yevich, Candidate of Technical Sciences

Avtomaticheskiye samonastroyayushchiyesya sistemy (Automatic Self-Adjusting Systems) Moscow, Izd-vo "Znaniye," 1961. 39 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya IV, 1961: Tekhnika, no. 12) 40,000 copies printed.

Ed.: T. F. Islankina; Tech. Ed.: A. S. Nazarova.

PURPOSE: This booklet is intended for technical personnel and for students in schools of higher technical education and tekhnikums.

COVERAGE: The booklet presents basic principles in designing automatic self-adjusting systems and discusses their practical application. The operation of an automatic self-adjusting system is examined in detail and examples are given of its industrial uses. No personalities are mentioned. There are 9 references, all Soviet.

Card 1/2

23957  
S/103/61/022/007/003/008  
D252/D302

16.8000 (112, 1132, 1344)

AUTHOR: Doganovskiy, S.A. (Moscow)

TITLE: Automatic optimization by statistical criteria

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 7, 1961,  
845-856

TEXT: Automatic optimization of a system by various statistical criteria is considered; the author confines himself to the case of finding an optimum regime with respect to several variables for the class of stationary random noises. Methods for developing apparatus for automatic optimization by statistical criteria are set forth (Fig. 1). BFMV and optimizer A constitute the VUORS. The noise which affects automatic optimizer A can be considerably reduced by optimizing the system by statistical criteria of type

$$\begin{aligned} \varphi = \psi \left\{ \sum_{j=1}^n \sum_{i=1}^m M[\alpha_i x_i(t) F_{ij}(t + \tau_{ij})] \right\} + \\ + \sum_{j=1}^n \sum_{i=1}^m M[\beta_i x(t) x_i(t + \tau_i)] \} = \min \end{aligned} \quad (1)$$

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 S/103/61/022/007/003/008  
 D252/D302

Automatic optimization...

where M is the sign of the mathematical expectation,  $\Psi$  - the sign of the functional transformation, F - the noise values to be controlled,  $\alpha_i$  and  $\beta_i$  - some weighting functions,  $x_i$  - the controlled variables of the system. The minimization of  $\Psi$  is done by A which automatically searches for the  $Z_i$  - values necessary to control the object O, and for  $\gamma_{ij}$ . The method of research and the derivation of the equations are illustrated in Fig. 2.  $K_0(p)$  is the compensator  $F_1$  - the noise,  $F_2$  - the uncontrolled equivalent noise,  $K_1(p), K_2(p)$ , and  $K_3(p)$  - the corresponding transfer functions of the system, x - the controlled variable. If  $K_0(p)$  is a linear operator, the variable parameters adjusted by A are the amplification factor  $k_0$ , the delay time  $t_0$ , and the time constants  $T_0$  (Fig. 2).  $\Psi$  is formed by the BFMV in accordance with Eq. (1), the argument  $\gamma_{ij}$  can be corrected by A. If one takes as the optimization criterion  $\Psi$  the mean square of the controlled variable x for the stationary random noise  $F_1$ , and sets  $F_2 = 0$ , then

$$\Psi = M[x^2(t)] = \lim_{T \rightarrow \infty} \frac{1}{T} \int_0^T x^2(t) dt = \frac{1}{\pi} \int_0^{\infty} S_F(\omega) |K(j\omega)|^2 d\omega =$$

$$= \frac{1}{\pi} \int_0^{\infty} S_F(\omega) |K_1(j\omega) - K_0(j\omega) K_2(j\omega)|^2 d\omega, \quad (2)$$

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where  $S_F(\omega)$  is the spectrum density of the input noise,  $|K(j\omega)|$  - the modulus of the phase amplitude characteristic (p.a.c.) of the system,  $K_1(j\omega)$ ,  $K_2(j\omega)$  - the p.a.c. of the system,  $K_0(j\omega)$  - the p.a.c. of the compensator. It is inconvenient to form the mean square optimization criterion if the system is affected by additional uncontrolled noise  $F_2$ . In that case it is more convenient to form the optimum criterion according to the cross-correlation function  $R_{F_1x}(\tau)$  is

$$R_{F_1x}(\tau) = \int_{-\infty}^{\infty} \{S_{F_1F_2}(\omega) K_3^*(j\omega) + S_{F_1F_1}(\omega) [K_1^*(j\omega) - K_0^*(j\omega)K_2^*(j\omega)]\} e^{j\omega\tau} d\omega. \quad (28)$$

The condition for complete invariance of  $R_{F_1x}(\tau)$  is:

$$K_0^*(j\omega) = \frac{K_1^*(j\omega)}{K_2^*(j\omega)} + \frac{K_3^*(j\omega)}{K_2^*(j\omega)} \frac{S_{F_1F_2}(j\omega)}{S_{F_1F_1}(j\omega)}. \quad (29)$$

Thus  $K_0^*(j\omega)$  is the optimum p.a.c. of the linear control system with respect to  $F_1$  (see Fig. 2). The physical feasibility of the obtain-

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Automatic optimization...

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ed optimum p.a.c. (29) is ascertained by the general methods of the Wiener-Kolmogorov theory of optimum filters as cited in V.S. Puga-  
chev (Ref. 2: Teoriya sluchaynykh funktsiy i ee primeneniye k zadacham avtomaticheskogo upravleniya (Theory of Random Functions and its Application to Automatic Control), Fizmatgiz, 1960). Determining the conditions of complete statistical invariance of the system permits solving the question of autonomy and compensation of noise due to the system with many inputs and outputs, since the conditions of autonomy are a consequence of the invariance conditions. The cross-correlation function optimization criterion is written:

$$\varphi = \psi \left\{ \int_{-\infty}^{\infty} \{ S_{F1F2}(\omega) K_3^*(j\omega) + S_{F1F1}(\omega) [K_1^*(j\omega) - K_0^*(j\omega) K_2^*(j\omega)] \} e^{j\omega\tau} d\omega = \right. \\ \left. = \min \quad (32) \right.$$

$\psi$  being some function of  $R_{F1X}(\tau)$ . An apparatus for automatic optimization by statistical criteria has been developed by the IAT (Institute for Automation and Remote Control) AN SSSR (AS USSR) A block diagram illustrating the use of VUORS for continuous search is given in Fig. 7. Y is the controlled variable, X - the controller variable; OP - the object control which has an extremal static

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23957

S/103/61/022/007/003/008  
D252/D302

Automatic optimization...

characteristic of type  $Y = -kx^2$ . The variable X may be considered slowly changing compared to X which represents a noise subject to the normal distribution law and zero mathematical expectation. Conclusion: The described study permits the most convenient method of search to be ascertained for optimum regimes and a control apparatus to be developed. There are 7 figures and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: A.B. Chelustkin, The Design and Application of Correlation Control. Automatic Control. May 1958.

SUBMITTED: December 31, 1960

Card 5/6

S/103/62/023/006/004/012  
D230/D308

16.8000

AUTHOR: Doganovskiy, S.A. (Moscow)  
TITLE: Disturbance compensation in non-linear systems  
PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 6, 1962,  
739-755

TEXT: For a given set of non-linear differential equations defining the dynamic motion in each of the two propagation channels, an equation is found for a non-linear compensating device satisfying the invariance conditions of the selected system coordinate for the disturbance acting on the system. The design principles of a non-linear compensating dynamic system are explained on a series-connected two-unit structure: the first part of this system forms an analog of the reverse dynamic system of the second channel of the object. These two parts form a non-linear compensating device satisfying the invariance conditions between the non-linear system coordinate and external disturbances acting on the system. The proposed method of solution does not require the solution of a system of dif-

Card 1/2

S/103/62/023/006/004/012  
D230/D308

Disturbance compensation ....

ferential equations of the object: the circuit arrangement and the parameters of the non-linear compensating device are determined simultaneously. An example of the circuit synthesis of a compensating device and the results of an experimental investigation on an electronic model of the object are discussed. Oscillograms taken for various frequencies and forms of external disturbances, and those of output wave-forms, are discussed. Apart from the fact that the problem of compensating reduces to the examination of a two-channel external disturbance transmission acting on the system, the evaluation of the non-linear compensating devices extends to much more structurally-complex dynamic invariant systems including feedback and two-channel system contours. A non-linear compensating device employing a servo control with a saturation characteristic of an idling generator is analyzed; the theory was verified experimentally. The model showed that the non-linear compensating device can compensate for the effect of load moment within the frequency 0 - 2 cycles, while the amplitude of the output coordinate of the object was practically reduced to zero. There are 15 figures.

SUBMITTED: December 22, 1961  
Card 2/2

VB

DOGANOVSKIY, S.A. (Moskva)

Compensation of disturbances in nonlinear systems. Avtom. i telem.  
23 no.6:739-755 Je '62. (MIRA 15:6)  
(Automatic control)

DOGANOVSKIY, Stanislav Anatol'yevich; KULEBAKIN, V.S., akademik  
re'tsenzent; KOROLEV, N.A., kand. tekhn. nauk, red.

[Computer units in automatic control systems responsive  
to perturbation] Vychislitel'nye ustroistva v avtomati-  
cheskikh sistemakh upravleniia po vozmushcheniiu. Moskva,  
Energiia, 1964. 311 p. (MIRA 17:12)

L 2729-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1) GS  
ACCESSION NR: AT5023172 UR/0000/65/000/000/0241/0245

AUTHOR: Doganovskiy, S. A. (Moscow); Abrosimov, N. A. (Moscow)

TITLE: A computer for the automatic construction of time graphs in operative control systems.

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu operativnomu upravleniyu proizvodstvennymi predpriyatiyami. 1st, Moscow, 1963. Avtomaticheskoye operativnoye upravleniye proizvodstvennymi protsessami (Automatic operative control of production processes); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 241-245

TOPIC TAGS: automatic control technology, digital computer, analog computer, computer control system

ABSTRACT: The operative control of production processes requires the establishment of time graphs of the flow of production, building, and other operations. The technological flow of operation during the production of an arbitrary product is given in the form of an arrow diagram, and the problem is to establish, on the basis of such an arrow diagram, the time diagram for the execution of the entire set of operation during the realization time which is the best for the entire complex (critical path). The problem can be handled by digital or analog computers; however, it is desirable to reduce the size of the equip-

29  
38  
B41

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ACCESSION NR: AT5023172

ment in the presence of a large number of necessary operations. For the particular task of automatic time graph calculation, the personnel of the IAT propose a special circuit shown in Fig. 1 of the Enclosure designed with resistors which are connected according to a prescribed program. The article describes briefly the principles, operation, and design of such a device, which, in its experimental form, can establish optimum time graphs for 40 operations. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 11May65

ENCL: 01

SUB CODE: IE, DP

NO REF SOV: 000

OTHER: 000

Card 2/3

L 2729-66

ACCESSION NR: AT5023172

ENCL: 01

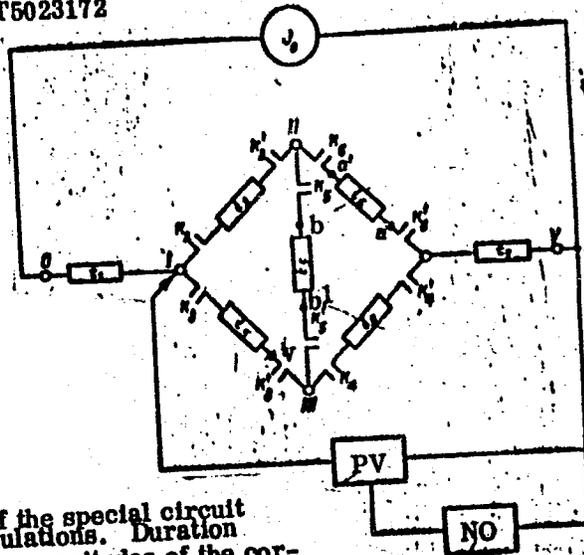


Fig. 1. Diagram of the special circuit for time graph calculations. Duration  $t_1$ 's are fixed by the magnitudes of the corresponding resistors; unprimed and primed  $k_1$ 's are switches;  $PV$ -peak voltmeter,  $NO$  null organ;  $J_0$ -constant current source.

Card 3/3 *mlr*



L 30112-c5

ACCESSION NR: AT5004135

represented the second channel of the object. Some content of the object is represented by the second channel of the object. Some content of the object is represented by the second channel of the object.

Association of the object with the second channel of the object. Some content of the object is represented by the second channel of the object.

ASSOCIATION: [illegible]

ACC NR: AM5010317

Monograph

UR/

Doganovskiy, Stanislav Anatol'yevich

Computers in disturbance-stimulated automatic control systems  
(Vychislitel'nyye ustroystva v avtomaticheskikh sistemakh uprav-  
leniya po vozmushcheniyu) Moscow, Izd-vo "Energiya," 1964. 0311 p.  
illus., biblio. Errata slip inserted. 5,800 copies printed

TOPIC TAGS: automatic control, industrial automation, optimal auto-  
matic control, special purpose computer, computer, computer application,  
self adaptive control, rolling mill, cold rolling

PURPOSE AND COVERAGE: This book deals with disturbance-stimulated  
automatic control systems containing special purpose computers. It  
shows that the application of the invariance principle and self-  
adjustment of computer parameters to statistical quality criteria  
are very effective in the automation of complex control systems,  
and that the specific character of computer operation in invariant  
automatic systems makes it possible to build simpler computer elements  
for this purpose. Examples of practical application of invariant autom-  
atic systems with special-purpose computers are cited in the text.

Card 1/3

UDC: 62-501.72

ACC NR: AM5010317

The book is intended for scientific workers and engineer-specialists in automatic control, as well as for aspirants and students taking advanced courses in automatic control. The author thanks Prof. A.A. Fel'dbaum, Dr. of Technical Sciences, for his constant attention and aid in this work, Academician V.S. Kulebakin for his valuable comments after reading the manuscript, and the editor of the book, N.A. Korolev, Candidate of Technical Sciences, for preparing the book for publication.

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ACC NR: AM5010317

Ch. VI. System of strip thickness control in continuous cold-rolling  
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by means of computers - - 263

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SUB CODE: 13,09    SUBM DATE: 16Oct64    ORIG REF: 206    OTH REF: 072

Card 3/3

TUDOR, V.; DOGARU, D.; POPESCU, A.; DRAGOMIR, V.

Serological diagnosis of paratyphoid fever A after administration of reticulín to subjects of T.A.B. vaccination. Rev. igiena microb. epidem., Bucur. 1:48-58 Jan-Mar 55.

1. Lucrare efectuata ia Serviciul de boli contagioase al Spitalului militar ce central.

(PARATYPHOID FEVER, diagnosis serodiag. of paratyphoid A after admin. of reticulín to T.A.B. vaccinated subjects.)

(RETICULIN test in serodiag. of paratyphoid A, in T.A.B. vaccinated subjects.)

(VACCINES AND VACCINATION TAB vaccination for paratyphoid A reticulín test of vaccinated subjects.)

MARINESCU, G.; GALEA, I.; IONESI, I.; TUDOR, V.; DOGARU, D.; NICOLAU, G.  
MIKHAILESCU, F.

Study of the elimination of 17-ketosteroids in mumps. Stud. cercet.  
inframicrobiol. 13 no.2:197-201 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al  
Academiei R.P.R.  
(MUMPS urine) (17-KETOSTEROIDS urine) (ADRENAL CORTEX physiology)

COPILU, V., ing.; CERNESCU, V., ing.; LUPU, C., ing.; DOGARU, D., ing.

Mechanization of dust and lint evacuation from cotton spinning mills. Ind text Rum 15 no.10:514-517 O '64.

1. Polytechnic Institute, Iasi (for Copilu, Cernescu).
2. "Tesatura" Plant, Iasi (for Lupu, Dogaru).

L 33724-66 T JK

SCURCE CODE: RU/0012/65/061/004/0617/0622

ACC NR: AP6025160

AUTHOR: Tudor, V. (Doctor; Colonel); Dogaru, D. (Doctor; Lieutenant colonel)

21  
B

ORG: none

TIT.E: Antirabies prophylaxis in military environment. Considerations on the results obtained in the past 5 years.

SCURCE: Revista sanitara militara, v. 61, no. 4, 1965, 617-622

TOPIC TAGS: preventive medicine, military medicine, rabies, wound

ABSTRACT: During the past 5 years, the Central Military Hospital administered anti-rabies prophylaxis to 38 persons. Of these, 35 had been bitten, 2 scratched, and one licked on an existing wound by a suspect animal. The authors emphasize the importance of preventive treatment for rabies and of acquainting military physicians with the proper procedures. [JPRS: 33,50Q]

SUB CODE: 06/ SUBM DATE: 26Feb65/ ORIG REF: 010

LS

Card 1/1

0509

RUMANIA

TUDOR, V., Colonel, Medical Corps; DOGARU, D., Lieutenant-Colonel, Medical Corps; DEDIU, St., Medical Corps; NICOLAU, Gh., Lieutenant-Colonel, Medical Corps; MIHAILESCU, Florica, Medical Corps; and ENACHE, Tudorache, Medical Corps.

"Epidemiologic, Clinical, Biochemical and Morphologic Study of Patients in a Focus of Viral Hepatitis in Military Units"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 319-325

Abstract: Epidemiology and clinical data on a small epidemic among 21 soldiers in 4 weeks in October 1964. Apparent inoculation by a lot of TAB vaccine was the agent of spread, but puzzling epidemiologic contradictions are noted and discussed. 2 tables.

RUMANIA

TUDOR, V., Colonel, Medical Corps; NICOLAU, Gh., Lieutenant-Colonel, Medical Corps; and DOGARU, D., Lieutenant-Colonel, Medical Corps.

"Criteria of Identification of Methods of Hospitalization in Patients with Epidemic Hepatitis in Military Units"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; p 325

Abstract: Brief data on 250 cases of epidemic hepatitis in soldiers hospitalized during the period of June 1963 to June 1965. Close medical supervision and convalescence with limited duties for 4 to 6 months is urged.

1/1

- 20 -

RUMANIA

DOGARU, D., Dr, Lt-Col, DEDIU, St., Dr, MIHAILESCU, Fl., Dr, and TUDOR, V., Dr, Col [affiliation not given]

"Drug Hepatitis. In Connection with an Acute Intoxication with 'Suplin' ('Anapetol')."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 225-235.

Abstract: After reviewing possible harmful effects of drugs on the liver, the authors present and discuss a case history of acute hepatitis caused by the use of Suplin, a phenometrazine drug widely used to treat obesity. Difficulties of establishing a correct diagnosis, especially of differentiating between various forms of epidemic hepatitis, are examined, and the use of morphologic tests in addition to clinical examination is strongly urged.

Includes a bibliography with 31 entries, of which 10 Rumanian, 2 Russian, 4 German, 2 French and 11 English-language.  
-- Manuscript submitted 4 August 1965.

1/1

DOGARU, Gh., ing.

The quality of products and the saving of social labor. Probleme  
econ 16 no.1:155 Ja '63.

1. Director, uzina "Rulmentul"-Brasov.

DOGARU, Ion, tehnician

The achievements will be overfulfilled. Constr Buc 17  
no.783:l 9 Ja '65.

DOGARU, Ion, technician; CSISZAR, Dezideriu, correspondent; RUSU, Ladislau, correspondent; SZILAGYI, Gh., correspondent; NACIU, Iacob, correspondent; VACARIU, Nicolai, correspondent; BALAN, A., correspondent; HOTUPAN, Fl., correspondent; BARBALATA, St., correspondent; AVASILOAIEI, Filaret, correspondent.

With the annual plan carried out. Constr Buc 16:1 19 D '64.

DOGARU, L.

TECHNOLOGY

Periodicals: PETROL SI GAZE. Vol. 9, no. 8, Aug. 1958

DOGARU, L. Flow of drilling mud through annular space. p. 349

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2,  
February 1959, Unclass.

AMAFTIESEI, R., ing.; DOGARU, L., ing.

A rapid method for the computation of backwater curves.  
Meteorologia hidrol gosp 6 no.3:214-218 '61.

DOGARU, L., ing.;

Graphoanalytic methods for studying the transforming of high  
flood waves during their passing through accumulation basins.  
Hidrotehnica 6 no. 7:240-246 J1 '61.

DCGARU, L., ing.

Practical method for calculating the pumping pressure of drilling fluids. Petrol si gaze 12 no.6:248-252 Je '61.

1. Institutul de Cercetari pentru Foraj si Extractie.

AMAFIESEI, Romeo, ing.; ~~DOGARU, Lucian, ing.~~

Errors of some methods for computing backwater curves.  
Hidrotsh apele meteor 9 no. 3:117-121 Mr '64.

DOCARU, M.; CHEORGHIU, T.; KRUPENSCHI, A.

Contributions to the selection of antibiotic producers. p. 95.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 2, Feb. 1959.

Monthly List of East European Accessions. (EEAI), IC. Vol. 8, no. 9, Sept. 1959

Uncl.